

CLAIMS

What is claimed is:

1. A method of forming a clamshell heat exchanger panel comprising the steps of:

providing a planar sheet metal workpiece;

forming in said workpiece a pair of corresponding sides, with each side having planar portions and serpentine channel portions which, when said workpiece sides are folded at a midpoint therebetween, said serpentine channel portions cooperate to form a continuous, multipass serpentine channel extending from an inlet opening to a discharge opening and said planar portions cooperate to form a planar composite structure adjacent said serpentine channel;

further forming in said workpiece at least one indentation in an edge of each of said planar portions, with the location of each indentation corresponding to the location of the other, such that when the two sides are folded together, the two indentions cooperate to form a pocket into which a fastener can be installed.

2. A method as set forth in claim 1 wherein said forming steps are made by stamping.

3. A method as set forth in claim 1 and including the further step of forming an opening through said edge of each of said planar portions such that when the two sides are folded together, the two openings cooperate to provide an opening into said pocket.

4. A method as set forth in claim 1 wherein said indentions are substantially semicircular in form.

5. A method as set forth in claim 1 wherein said indentions are formed with one on each side of said midpoint.

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6. A clamshell heat exchanger panel comprising:

a pair of formed panel sides brought together in face-to-face relationship to form a dual sided structure that includes a channel portion and a land portion, said channel portion comprising a plurality of sequential serpentine passages for the conduct of hot gas flow from an inlet opening to a discharge opening and said land portion being adjacent said channel portion and comprising a composite structure of said two sides pressed together; and

at least one elongate pocket formed in said land portion, with its axis being in the plane of said composite structure, for receiving a fastener therein.

7. A clamshell heat exchanger panel as set forth in claim 6 wherein said pocket is formed of curvilinear portions of each of said two sides.

8. A clamshell heat exchanger panel as set forth in claim 6 wherein said pocket has an opening that is at an edge of said composite structure.

9. A clamshell heat exchanger panel as set forth in claim 8 wherein said edge is a folded edge.

10. A clamshell heat exchanger panel as set forth in claim 6 wherein said pocket is located with its axis between a first and second passage.

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